

Nick and Tesla's High-Voltage Danger Lab

Ⓢ Shopping and Equipment List Ⓢ

Low-Tech Bottle Rocket and Launcher

- PVC pieces—find at hardware stores
 - 3 pieces of 10-inch (25.5 cm) PVC pipe (labeled ½ inch [1.25 cm]) wide)
 - 3 pieces of 20-inch-long [51 cm] PVC pipe
 - 3 90-degree-angle pieces
 - 1 T connector
 - 2 end caps
 - 1 threaded end cap
- 1 bicycle pump
- 1 TR413 tire valve (can be acquired from an auto parts store or a garage that fixes tires)
- 1 1- or 2-liter plastic soda bottle
- Water
- Electrical tape
- PVC cement
- A drill
- Pliers
- Safety goggles

Mints-and-Soda-Fueled Robocat Dog Distractor

- 1 2-liter bottle of diet cola
- 1 package of Mentos candies
- A paper clip
- A wire coat hanger
- A glue gun
- Scissors
- Paper
- A soup can
- 3 ballpoint pens
- Thick cardboard
- Wire cutters
- Pliers
- A nail
- A drill
- A pushpin
- A binder clip

Semi-Invisible Nighttime Van Tracker

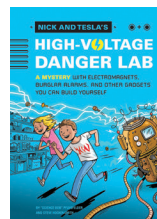
- 1 fresh highlighter marker
- Scissors
- 1 zip-top sandwich bag
- 1 pushpin
- Duct tape
- 1 battery-powered black light (available at many hardware or party stores)
- Pliers

Christmas-is-Over Intruder Alert System

- 1 string of old Christmas tree lights (or a 12-volt LED bulb from any electronics store)
- 1 9-volt battery
- 2 quarters
- Paper
- Tape
- String
- Scissors
- 1 thin, flexible, plastic-coated wire available at any electronics store (the length will vary depending on your needs)

Do-it-Yourself Electromagnet and Picker-Upper

- 1 D-size battery
- 1 strand of 24-gauge plastic-coated wire
- 1 3- to 4-inch (7.5- to 10-cm) iron or steel nail
- Tape
- Wire strippers or scissors



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Available wherever books are sold.

www.nickandtesla.com

